

origin: United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, 1910 SW 44, Pendleton, Oregon 97801 United States. **origin institute id:** B81-420. **cultivar:** PARMA. **pedigree:** Kiss//193-803/358. **other id:** B81-420-S006. **remarks:** Mid-tall, winter, mid-season, neck pubescent. Spike lax, linear, fusiform, awned, inclined. Glume cream, glabrous, mid-long, narrow. Shoulder narrow, apiculate. Beak narrow, acuminate, to 5mm. Awns white to 40mm. Kernel brown, mid-long, soft, elliptical Germ small. Crease wide, deep, angular. Brush large, long. High lysine. Special adaptation to Treasure Valley area of southern Idaho. Original cross made by CIMMYT, Mexico. Cultivar. Seed.

PI 564761 to 564762. *Triticum aestivum* L., nom. cons. POACEAE Winter wheat

Donated by: Bruckner, P.L., Dept. of Plant & Soil Science, Montana State University, Bozeman, Montana 59717, United States. Received January 22, 1993.

PI 564761 **origin:** United States. **origin institute:** Montana Agric. Exp. Station, Bozeman, Montana United States. **origin institute id:** MT 8719. **pedigree:** Roughrider//TX 55-391-56-D8/Westmont. **remarks:** High-yielding, medium-maturity hard red winter wheat with good winterhardiness. Height intermediate. Straw strong. Resistant to *Puccinia graminis*. Grain protein high. Milling and bread baking quality excellent. Susceptible to *Tilletia controversa*, *Cephus cinctus*, and *Diuraphis noxia*. Winter Annual. Breeding Material. Seed.

PI 564762 **origin:** United States. **origin institute:** Montana Agric. Exp. Station, Bozeman, Montana United States. **origin institute id:** MT 8713. **pedigree:** Roughrider//TX 55-391-56-D8/Westmont. **remarks:** Awned, early, semi-dwarf line with good winterhardiness. Resistant to *Puccinia graminis*. Grain yield potential moderate. Hard red winter wheat milling and baking quality good. Straw strength excellent. Grain protein content medium to high. Unique for its high level of winterhardiness combined with semi-dwarf character. Winter Annual. Breeding Material. Seed.